

U-shaped, both the one-side arm 311a and the another-side arm 311b can be arranged widthwise in the same plane, and both the one-side arm 320a and the another-side arm 320b also widthwise in the same plane. Therefore, the orientation of the magnetic bodies from the one-side arms to the another-side arms can be arranged generally in parallel to the direction of movement of the object 331 to be detected. Accordingly, the output sensitivity of the non-~~detection~~contact position sensor can be improved since the detective section 332 can be positioned for its movement in the close vicinity of the one-side arms to the another-side arms of the magnetic bodies.

CLAIMS:

10. (Amended) The non-contact position sensor according to claim 5, wherein a lateral width-distance of each said two magnets is generally equal to a diameter of said object to be detected.

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